INVITROGEN CORP

Form 4/A August 07, 2007

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB Number:

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OMB APPROVAL

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SECURITIES Form 5 obligations may continue.

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1(b).

See Instruction

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading LUCIER GREGORY T Issuer Symbol INVITROGEN CORP [IVGN] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) _X__ Director 10% Owner X_ Officer (give title Other (specify 1600 FARADAY AVENUE 08/02/2007 below) Chairman & CEO (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person 08/06/2007 Form filed by More than One Reporting CARLSBAD, CA 92084 Person (City) (State) (Zip)

| (City) | (State) | Tabl | e I - No | on-D | Derivative S | Securi | ties Acqu | ired, Disposed of | , or Beneficiall | y Owned |
|--------------------------------------|--------------------------------------|---|---------------------------------|--------|--|-----------------|-------------|--|--|---|
| 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transa Code (Instr. | | 4. Securit on(A) or Dis (Instr. 3, 4 | sposed | of (D) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
| Common | 08/02/2007 | 08/02/2007 | Code | V V | Amount 20,600 | (D) D (2) | Price \$ 78 | 654,400 | I | See Footnote |
| Stock Common Stock | 08/02/2007 | 08/02/2007 | S | V | 600 | D (2) | \$ 78.01 | 653,800 | I | See Footnote (1) |
| Common Stock | 08/02/2007 | 08/02/2007 | S | V | 300 | D (2) | \$ 78.02 | 653,500 | I | See Footnote (1) |
| Common Stock | 08/02/2007 | 08/02/2007 | S | V | 7,500 | D (2) | \$ 78.03 | 646,000 | I | See Footnote |

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| | | | | | | | | | (1) |
|-----------------|------------|------------|---|---------|----------|-------------|---------|---|------------------|
| Common Stock | 08/02/2007 | 08/02/2007 | S | V 300 | D (2) | \$ 78.04 | 645,700 | I | See Footnote |
| Common Stock | 08/02/2007 | 08/02/2007 | S | V 1,400 | D (2) | \$ 78.05 | 644,300 | I | See Footnote |
| Common Stock | 08/02/2007 | 08/02/2007 | S | V 800 | D (2) | \$ 78.06 | 643,500 | I | See Footnote |
| Common Stock | 08/02/2007 | 08/02/2007 | S | V 4,000 | D (2) | \$ 78.07 | 639,500 | I | See Footnote |
| Common Stock | 08/02/2007 | 08/02/2007 | S | V 600 | D (2) | \$ 78.08 | 638,900 | I | See Footnote |
| Common Stock | 08/02/2007 | 08/02/2007 | S | V 600 | D (2) | \$ 78.09 | 638,300 | I | See Footnote |
| Common Stock | 08/02/2007 | 08/02/2007 | S | V 200 | D (2) | \$ 78.1 | 638,100 | I | See Footnote |
| Common Stock | 08/02/2007 | 08/02/2007 | S | V 600 | D (2) | \$ 78.11 | 637,500 | I | See Footnote |
| Common Stock | 08/02/2007 | 08/02/2007 | S | V 300 | D (2) | \$ 78.12 | 637,200 | I | See Footnote |
| Common Stock | 08/02/2007 | 08/02/2007 | S | V 300 | D (2) | \$ 78.13 | 636,900 | I | See Footnote |
| Common Stock | 08/02/2007 | 08/02/2007 | S | V 414 | D (2) | \$ 78.14 | 636,486 | I | See Footnote |
| Common Stock | 08/02/2007 | 08/02/2007 | S | V 100 | D (2) | \$ 78.15 | 636,386 | I | See Footnote (1) |
| Common Stock | 08/02/2007 | 08/02/2007 | S | V 500 | D (2) | \$ 78.16 | 635,886 | I | See Footnote (1) |
| Common Stock | 08/02/2007 | 08/02/2007 | S | V 86 | D (2) | \$ 78.17 | 635,800 | I | See Footnote |

(1)

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| Common Stock | 08/02/2007 | 08/02/2007 | S | V 1,70 | 00 D (2) | \$ 78.2 | 634,100 | I | See Footnote |
|-----------------|------------|------------|---|--------|-------------|-------------|---------|---|------------------|
| Common Stock | 08/02/2007 | 08/02/2007 | S | V 100 | D (2) | \$ 78.21 | 634,000 | I | See Footnote (1) |
| Common Stock | 08/02/2007 | 08/02/2007 | S | V 300 | D (2) | \$ 78.23 | 633,700 | I | See Footnote (1) |
| Common Stock | 08/02/2007 | 08/02/2007 | S | V 1,40 | 00 <u>D</u> | \$ 78.24 | 632,300 | I | See Footnote (1) |
| Common Stock | 08/02/2007 | 08/02/2007 | S | V 1,40 | 00 D (2) | \$ 78.32 | 630,900 | I | See Footnote (1) |
| Common Stock | 08/02/2007 | 08/02/2007 | S | V 100 | D (2) | \$ 78.37 | 630,800 | I | See Footnote (1) |
| Common Stock | 08/02/2007 | 08/02/2007 | S | V 100 | D (2) | \$ 78.38 | 630,700 | I | See Footnote (1) |
| Common Stock | 08/02/2007 | 08/02/2007 | S | V 2,10 | 00 D (2) | \$ 78.45 | 628,600 | I | See Footnote (1) |
| Common Stock | 08/02/2007 | 08/02/2007 | S | V 1,20 | 00 D (2) | \$ 78.46 | 627,400 | I | See Footnote (1) |
| Common Stock | 08/02/2007 | 08/02/2007 | S | V 1,20 | 00 D (2) | \$ 78.47 | 626,200 | I | See Footnote (1) |
| Common Stock | 08/02/2007 | 08/02/2007 | S | V 300 | D (2) | \$ 78.48 | 625,900 | I | See Footnote (1) |
| Common Stock | 08/02/2007 | 08/02/2007 | S | V 600 | D (2) | \$ 78.49 | 625,300 | I | See Footnote (1) |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transactic Code (Instr. 8) | 5. Number of onDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | Expiration Dat (Month/Day/Y | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | 7. Title and Amc Underlying Secu (Instr. 3 and 4) | |
|---|---|--------------------------------------|---|--|---|--------------------------------|--|---------------------|---|--|
| | | | | Code V | (A) (D) | Date Exercisable | Expiration Date | Title | Ar Nu Sh | |
| Non_Qualified Stock Option | \$ 38.01 | 08/01/2007 | 08/01/2007 | M V | 50,000 | 05/30/2004 | 05/30/2013 | Common Stock (3) | 62 | |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | | | |
|--------------------------------|---------------|-----------|----------------|-------|--|--|--|--|
| r | Director | 10% Owner | Officer | Other | | | | |
| LUCIER GREGORY T | | | | | | | | |
| 1600 FARADAY AVENUE | X | | Chairman & CEO | | | | | |
| CARLSBAD, CA 92084 | | | | | | | | |

Signatures

/s/ Joseph W. Secondine, Jr. POA 08/06/2007

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Shares held in the Greg. T. & Marilen Lucier Revocable Living Trust.
- (2) Shares sold pursuant to a 10B5-1 trading plan.
- (3) Grant # GL0001.

Remarks:

This amendment filing is purely to file a missing Transaction on Table 1.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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